

IF TAKING A MASHROO"

IF TAKING A FLOWER,





MARIO BECOMES SUPER MARIO. MARIO BECOMES FIRE MARIO.

HOW TO PLAY

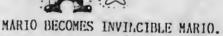
* START POINT_AND TIME

CAME STARTS FROM HEAD OF EVERY AREA. WHEN MARIO IS MOVING TO HALP OF COURSE, IF HE IS ENCLOSED BY ENEMY, HE CAN START AGAIN FROM HALFWAY OF COURSE.

IN THE LAST CASTLE, YOU START FROM ENTRANCE.
WHEN MARIO STARTS, TIME ON UPSIDE RIGHT OF SCREEN RUNS SHORT. WHEN REACHING COAL, REMAINING TIME IS ADDED AS A POINT. IN THE LAST CASTLE, NO TIME BONUS.

IF TAKING A STAR,

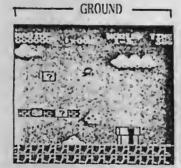




* GOAL

AT THE END OF EACH AREA THERE IS A SMALL CASTLE, AND IN FRONT OF IT BIG STAIRS AND POLE WITH FLAG. THE HIGHER POINT OF THE POLE YOU HOLD ON, THE MORE YOU GET BONUS POINT

IN TERMS OF PROGRAM, DEPENDING ON TELEVISION SET, AS THE CASE MAY BE, SUME PARTS OF LETTER ARE MISSING.

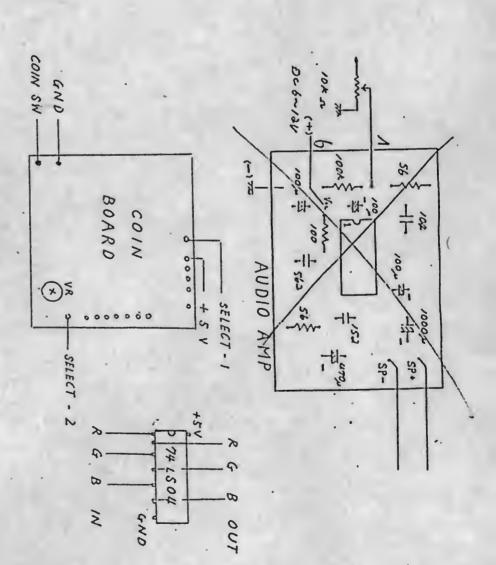








GND	SS .	+244		VIDEO SYNC	VIDEO C			2P B-SV	NS-V dZ	2P DOWN	2P UP	2P LEFT	2P RIGHT	2 PLAY	COIN 2		+124	+5V	+5V	GND	GND	PARTS SIDE	CONNECTOR
22	21	20	19	18	7	16	ភ	2	13	12	=	0	9	∞	7	6	5	2	ယ	2	-		~
7	~	×	•	<	C	-1	S	æ	P	Z	×	F	~	2	=	77	(2)	0	C	8	>	S	
GND	CND	COUNTER	TV AUDIO	VIDEO B	VIDEO R		SERVICE	IP B-SV	IP A-SW	IP DOWN	IP UP	IP LEFT	IP RIGHT	1 PLAY	COIN 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+12V	+5V	+57	GND	GND	SOLDER SIDE	



ጵጵ SUPER ጵጵጵጵ ጵጵ MARIO BROS. ጵጵጵ 10k ፓኔ የኔት፣ ስ - GND +12 V LAUTSPRECHER 一日以上 bou Plati.

Super Mario Bross

Steckerbelegung Standort Ad.K. 28pol.

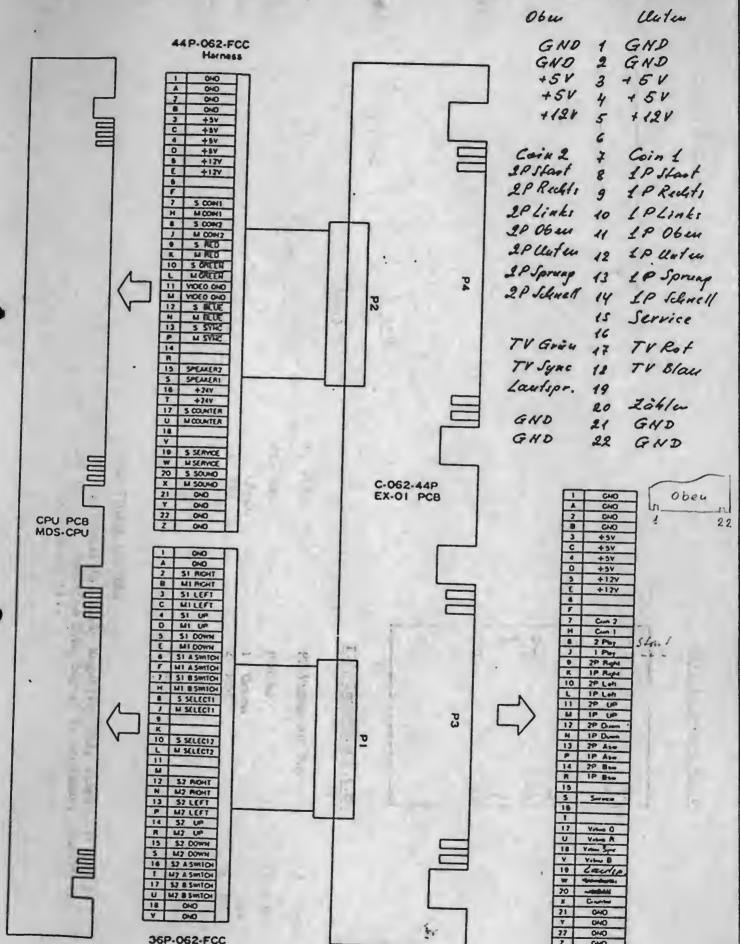
<u>Oben</u> .		•	Unten
GND	1	G	SND
GND	2	G	ND .
+ 5 V	3	+	5 V
+ 5 V	4	+	5 V
+ 12 V	5	7	12 V
Lautsprecher 1	6	L	autsprecher 1 & GND
Auf 1 Spieler	7	A	uf 2 Spieler
Ab 1 Spieler	8	. A	b 2 Spieler
Links 1 Spieler	9	L	inks 2 Spieler
Rechts 1 Spieler	10	R	echts 2 Spieler
Start 1 Spieler	11	S	tart 2 Spieler
Action A1 Spieler	12	A	lction 2 Spieler
Action B1 Spieler	13	A	ction 2 Spieler
	14		
1	15		,
Münzschalter 1	16	M	ünzschalter 2
•	17		
•	18		
Münzzähler 1	19	Mi	ünzzähler 2
1,	20	t.	
	21		
TV Rot	22	T	V Blau
TV Grün	23		•
Synchron &	24	4	
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m ³	26		
GND	27	GI	ND D
GND	28	Gf	4D

CONNECTION OF INPUT/OUTPUT

Herness

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8-Wap Alph new fir Stand Pl1 mit Pl2 überbrida



DIP SW 2								
	1	2	3	4	5	6	7	8
1coin 1credit 1coin 2credit 1coin 3credit 1coin 4credit 2coin 1credit 3coin 1credit 4coin 1credit FREE PLAY	OFF OFF OFF ON ON ON	OFF OFF ON OFF OFF ON	OFF ON OFF ON OFF ON					
NUMBER OF MARI	.0	3 4		OFF ON				
EXTRA SCORE 50 NO SCORE	,000PTS	5			OFF ON			
DIFFICULTY EASY 1 2						OFF OFF ON	OFF ON OFF	
DIFFICULT 4						ON	ON	

DIP SW 1 --- NOT USE

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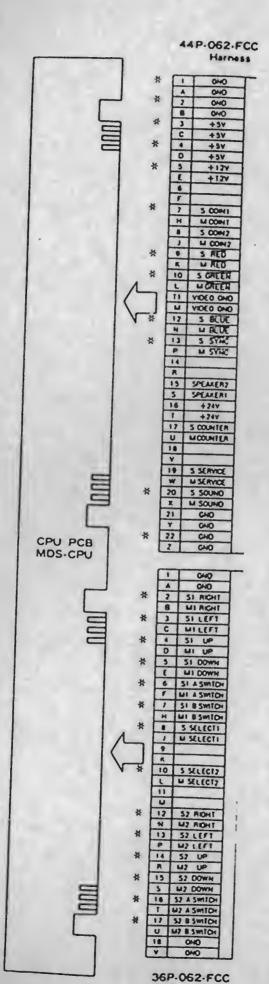
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SUPER MARIO BROS

MGS P.C. BOARD SET

OPERATORS MANUAL



"*" --- ONLY USE.

HOW TO CARE AV-01 BOARD

There are Video Signal Converter (Negative - Positive) and Audio Power Amp Circuit. Even though there is only one of them, board works correctly.

1. VIDEO SIGNAL CONVERTER

PI VIDEO IN

1-1 Position of Connector Pin

PIN No.	SIGNAL	PIN No.	SIGNAL
1	GREEN	1	GREEN
2	RED	2	RED
3	BLUE	,3	BLUE
4	GND	* 4	GND
5	GND	5	GND
6	SYNC	. 6	SYNC

1-2 Adjustment of VIDEO SINAL CONVERTER

Each R,G,B of Video Sigal Level is adjustable by Adjustable V. R. Please adjust according to level of your Monitor T.V.

P2 VIDEO OUT

P5 SOUND OUT

1-3 SYNC SIGNAL CONVERT

As SYNC Signal is usualy Negative, only simple circuit is set up. If Positive SYNC Signal is necessary, insert IC SN74LS04 and cut CL1.

1-4 CABLE

I/O Cable should be no longer than 1m.

2. AUDIO POWER AMP CIRCUIT

P4 SOUND IN

2-1 Position of Connector Pin

PIN No.	SIGNAL	PIN No.	SIGNAL
1	SOUND SIG	1	SPEAKER
2		2	SPEAKER
3		3	* * *

2-2 Setting up of Input Signal

According to Input Signal Level of Audio Power Amp, change the circuit and please use with proper Input Level. If it is used over proper Input Level, sound would be saturated or Volume VR 4 would be impossible to adjust sound.

INPUT	LEVEL	HOW TO CHANGE CIRCUIT	
2 V		Short SL1 with solder, and cu	it CL2
1 V		Needless to change circuit	
0.5V		Short SL2 with solder, and cu	it CL2

2-3 CONFORM SPEAKER

Impedance 4 8 6W

Audio Power Amp Max. Output 12W (4)

3. CAPACITY OF POWER SUPPLY

3-1 INPUT CONNECTOR

P3 POWER IN

PIN No.	SIGNAL	
1	+ 5V	
2	+12V	
3	GND # 1	*1 GND for VIDEO SIGNAL CONVERTER
4	GND # 2	*2 GND for AUDIO POWER AMP CIRCUIT

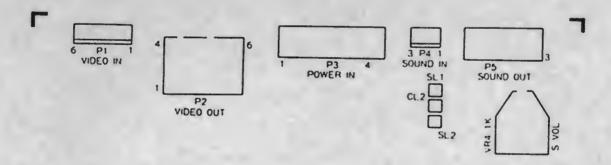
3-2 CAPACITY OF POWER SUPPLY

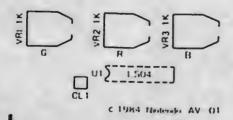
+5V 0.2A For Video Signal Converter +12V 1.5A For Audio Power Amp Circuit

3-3 CONNECTION OF GND

GND of VIDEO SIGNAL CONVERTER. and Audio Power Amp Circuit is independent from AV-01 Board completely. Please connect each GND correctly.

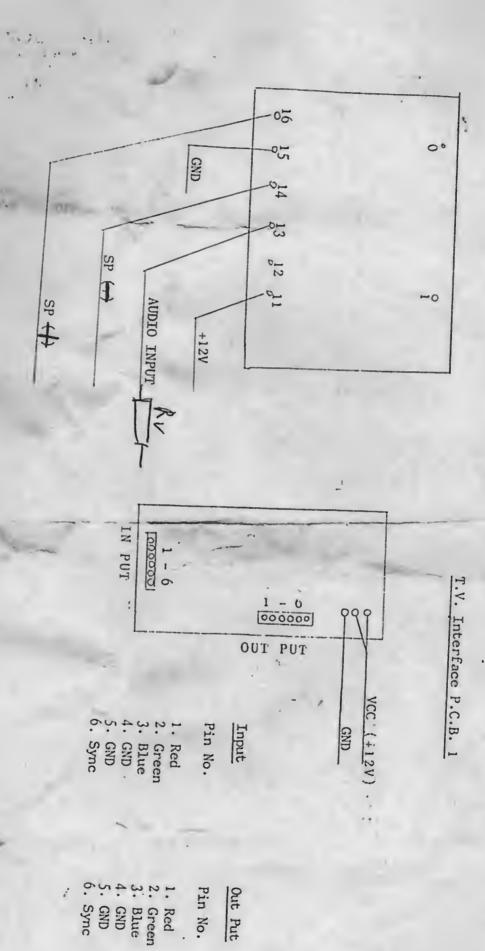
4. REFFERING CHART





DIP SW 2								
	1	2	3	4	5	6	7	8
1coin 1credit 2coin 1credit 3coin 1credit 1coin 2credit 1coin 3credit 1coin 4credit 1coin 5credit FREE PLAY	OFF OFF OFF ON ON ON	OFF ON ON OFF OFF ON	OFF ON OFF ON OFF ON OFF					
NUMBER OF MARIO		3 2		OFF ON				
EXTRA SCORE 50, NO SCORE			OFF ON					
DIFFICULTY EASY 1 2 3 DIFFICULT 4						OFF OFF ON	OFF ON OFF ON	

DIP SW 1 --- NOT USE



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